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Wu, K.-L.; Yu, P.S.; Chen, M.-S.;

Data Engineering, 1993. Proceedings. Ninth International Conference on , 19-2 1993

Page(s): 577 -586

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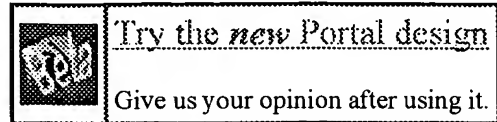
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 Maurice Herlihy , Nancy Lynch , Michael Merritt , William Weihl

Journal of the ACM (JACM) October 1992

Volume 39 Issue 4

In a distributed system, node failures, network delays, and other unpredictable occurrences can result in orphan computations—subcomputations that continue to run but whose results are no longer needed. Several algorithms have been proposed to prevent such computations from seeing inconsistent states of the shared data. In this paper, two such orphan management algorithms are analyzed. The first is an algorithm implemented in the Argus distributed-computing system at M ...

2 A distributed algorithm for generalized deadlock detection 97%

 Gabriel Bracha , Sam Toueg

Proceedings of the third annual ACM symposium on Principles of distributed computing August 1984

An efficient distributed algorithm to detect deadlocks in distributed and dynamically changing systems is presented. In our model, processes can request any N available resources from a pool of size M. This is a generalization of the well-known AND-OR request model. The algorithm is incrementally derived and proven correct. Its communication, computational, and space complexity compares favorably with those of previously known distributed < ...

3 Hardware flooding (preliminary version) 96%

Ajei Gopal , Inder Gopal , Shay Kutten